SONY

Mini Hi-FiComponentSystem

Operating Instructions

MHC-GTX888 MHC-GTX787 MHC-GTX777 LBT-ZTX7



WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc. Do not place the naked flame sources such as lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus. Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine. fire or the like.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet. As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

Excessive sound pressure from earphones and headphones can cause hearing loss.

CLASS 1 LASER PRODUCT LUOKAN 1 LASERLAITE KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. This label is located on the rear exterior.

For customer in the United States

Owner's Record

The model and serial numbers are located on the rear of the unit. Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____Serial No. ____



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The following FCC statement applies only to the version of this model manufactured for sale in the U.S.A. Other versions may not comply with FCC technical regulations.

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions. may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

CAUTION

You are cautioned that any changes or modification not expressly approved in this manual could void your authority to operate this equipment.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

For customers in Europe



Electrical &
Electronic
Equipment
(Applicable in the
European Union
and other European
countries with
separate collection

systems)

Disposal of Old



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

For customers in Europe



Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.

By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only.

To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop

Notice for the customer in the countries applying EU Directives

where you purchased the product.

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Note on Multi Session disc

When you play back Multi Session discs with different formats for each session, the format of the first session is recognized as the disc type. Tracks in the second and subsequent sessions are played back if they are the same formats as the first session.

The recorded music is limited to private use only. Use of the music beyond this limit requires permission of the copyright holders.

"WALKMAN" and "WALKMAN" logo are registered trademarks of Sony Corporation.

MICROVAULT is a trademark of Sony Corporation.

MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson

Windows Media is a registered trademark of Microsoft Corporation in the United States and/or other countries.

About this manual

The instructions in this manual are for models MHC-GTX888, MHC-GTX787, MHC-GTX777 and LBT-ZTX7. In this manual, the MHC-GTX888 is used for illustration purposes unless stated otherwise.

The MHC-GTX888 consists of:

– Unit			HCD-GTX888
~		~	

Speaker System

Front speakers
Surround speakers
Subwoofer A
Subwoofer B
SS-WG888A
SS-WG888B

The MHC-GTX787 consists of:

– Unit HCD-GTX787

- Speaker System

Front speakers SS-GTX787

The MHC-GTX777 consists of:

– Unit HCD-GTX777

SS-RSX777

Speaker SystemFront speakersSS-GTX777

Surround speakers Si The LBT-ZTX7 consists of:

- Unit HCD-ZTX7

Speaker System

Front speakers SS-ZTX7

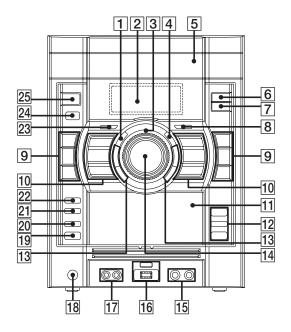
Table of Contents	Other Operations
About this manual5	Creating your own program33 — Program Play
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Guide to parts and controls

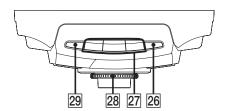
This manual mainly explains operations using the buttons on the unit, but the same operations can also be performed using the buttons on the remote having the same or similar names.

Unit

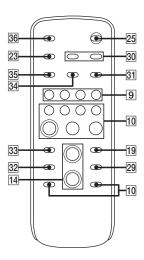
- Front view



- Top view



Remote



- TeQ BAND/MEMORY (page 38)
 Press to select a frequency band.
- Display (pages 11, 31, 32, 48)
 Meter display (page 32)
- 3 Power illuminator (pages 31, 32)
- PRESET EQ (pages 30, 38)
 Press to select a preset sound effect.
- 5 Disc tray (pages 11, 20, 43, 48)
- 6 SURROUND SPEAKER MODE (MHC-GTX888 only) (page 30) Press to select the sound system.

SURROUND (MHC-GTX787/MHC-GTX777/ LBT-ZTX7 only) (page 30) Press to select the surround effect.

7 GROOVE (page 30)
Press to reinforce the bass.

- 8 METER MODE (page 32)
 Press to select a preset display pattern.
- Function buttons:
 CD (pages 15, 20, 24, 32, 33, 36)
 TUNER/BAND (pages 22, 32)
 Unit: TAPE (pages 29, 32)
 Unit: AUDIO (pages 29, 32)
 Unit: VIDEO (pages 29, 32)

Unit: USB (pages 25, 27, 32, 33) Remote: USB (pages 25, 27, 33) Remote: FUNCTION (page 29) Press to select a function.

10 Unit: ►II (play/pause) (pages 20, 24, 27, 29, 44) Remote: ► (play) (pages 20,

27, 29, 44)

Remote: **II** (pause) (pages 20,

29)

Press to start or pause playback.

■ (stop) (pages 20, 22, 27, 29, 37, 43)

Press to stop playback, recording or transferring.

I (go backward/go forward) (pages 20, 27, 34)
Press to select a track or file.

Unit: TUNING +/- (page 22)
Remote: +/- (tuning) (pages 22, 35)

Press to tune in a radio station.

√►► (rewind/fast forward)
(pages 20, 28, 29)

Unit: Press to fast forward or rewind. Remote: Press to find a point in a track or file.

11 PUSH ▲ OPEN/CLOSE (page 29)

Press to insert or eject a tape.

Tape deck (pages 29, 36, 40, 47)

12 REC TO TAPE (page 37)
Press to record onto a tape.

REC TIMER (page 40)

Press to set the Recording Timer.

REC TO USB (page 24)

Press to transfer onto the connected optional USB device.

FLANGER (pages 31, 43, 47)DELAY (pages 31, 43, 47)CHORUS (pages 31, 43, 47)SOUND FLASH (page 31)Press to create a party atmosphere.

Unit: MASTER VOLUME (pages 20, 27, 29, 42)
Turn to adjust the volume.

Remote: VOLUME +/-* (pages 20, 27, 29, 42)
Press to adjust the volume.

* The VOLUME + button has a tactile dot. Use the tactile dot as a reference when operating the system. MIC (jack) (pages 39, 42, 52)
Connect an optional microphone.

MIC LEVEL (pages 37, 39, 42) Turn to adjust the microphone volume.

16 (indicator)

Lights up when transferring to the connected optional USB device, or when erasing audio files or folders.

(USB) port (pages 23, 25, 27, 46, 52)

Connect an optional USB device.

- 17 AUDIO INPUT L/R (jacks) (page 29) Connect to an audio component (Portable audio player, etc.).
- PHONES (jack) (pages 42, 52)
 Connect the headphones.
- 19 ENTER (pages 20, 27, 30, 31, 34, 35, 38)

 Press to enter the selection.
- Press to return to the parent folder. Press to exit search mode.
- 21 ERASE (page 25)

 Press to erase audio files or folders on the connected optional USB device

- OPTIONS (pages 30, 31)
 Press to select the display pattern,
 MP3 BOOSTER+ function and USB SELECT.
- 23 DISPLAY (pages 19, 32, 32, 36) Press to change the information in the display.
- 24 IR Receptor (page 42)
- 25 **I**/() (on/standby) (pages 14, 15, 42, 48)

Press to turn the system on or off.

26 OPEN/CLOSE **△** (pages 15, 20, 43)

Press to load or eject a disc.

- DISC 1 ~ 3 (pages 21, 33)Press to select a disc.Press to switch to CD function from other function.
- OPERATION DIAL (pages 20, 27, 31, 38)
 Turn to select a track, file or folder.

Turn to select a setting.

29 Unit: DISC SKIP/EX-CHANGE (pages 15, 20, 21, 33)
Press to select a disc.

Press to exchange other discs during playback.

Remote: DISC SKIP (pages 21, 33)

Press to select a disc.

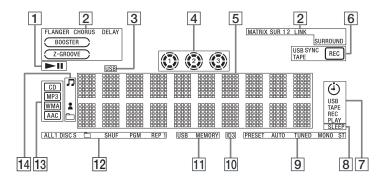
- 30 CLOCK/TIMER SELECT (page 40) CLOCK/TIMER SET (pages 19, 40)
- 31 REPEAT/FM MODE (pages 20,

Press to set the clock and the timers.

23, 28, 47)
Press to change the Repeat Play setting.
Press to select the FM monaural or stereo reception.

- EQ (pages 30, 38)
 Press to select a preset sound effect.
- 33 CLEAR (page 34)
 Press to delete a pre-programmed track.
- PLAY MODE/TUNING MODE (pages 21, 22, 28, 33, 35, 37, 44, 48)
 Press to select the play mode of CD or USB function.
 Press to select the tuning mode.
- 35 TUNER MEMORY (page 35) Press to preset a radio station.
- SLEEP (page 39)
 Press to activate the Sleep Timer.

- Display



- "▶" lights up during playback.
 "▶■" lights up when playback is paused.
- 2 Indicates the activated sound effect (pages 30, 31, 38).

Note

"LINK", "MATRIX SUR 1" and "MATRIX SUR 2" light up for MHC-GTX888 only.

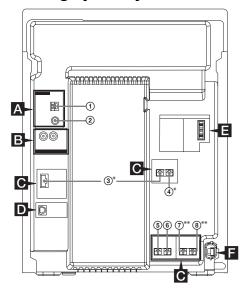
- 3 Lights up when the USB function is selected (page 27).
- [4] Indicators for the disc tray (page 20).

 "O" lights up when the disc is selected. "O" lights up when there is a disc on the disc tray. "1", "2" and "3" light up when the system is turned on.
- 5 Displays the current status and information (page 32).
- [6] Lights up during transferring onto an USB device or recording onto a tape (pages 23, 36).

- [7] Lights up when the timer is set (page 39).
- **8** Lights up when the Sleep Timer is activated (page 39).
- 9 Indicators for the TUNER function (pages 22, 35).
- Lights up when the MP3 file contains ID3 tag information.
- Lights up when an optional USB device is recognized (page 23).
- 12 Indicates the selected play mode (pages 21, 28).
- 13 Indicates the type of disc or file that the system recognized.
- 14 Indicates the type of audio file information that displayed (page 32).
 "↓" lights up when a file name is displayed. "♠" lights up when an artist name is displayed. "─" lights up when a folder name is displayed.

Getting Started

Hooking up the system



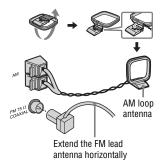
- 1 To AM loop antenna
- (2) To FM lead antenna
- 3 To subwoofer A
- (4) To subwoofer B
- (5) To front speaker (right)
- (6) To front speaker (left)
- 7 To surround speaker (right)8 To surround speaker (left)

MHC-GTX777 only.

- * MHC-GTX888 only.
- ** MHC-GTX888/

A Antennas

Set up the AM loop antenna, then connect it.



Note

Keep the antennas away from the speaker cords, the power cord and the USB cable to avoid picking up noise.

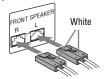
B VIDEO (AUDIO IN) L/R jacks

Use an audio cord to connect to the audio output jacks of an optional component (such as a TV or VCR).

C Speakers

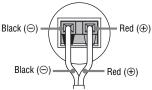
(MHC-GTX888/MHC-GTX777 only) The speaker connectors are color-coded with their respective speaker terminals on the unit.

Front speakers

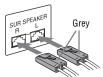


Tip (MHC-GTX787/LBT-ZTX7 only)

Connect the speaker cords to the terminals on the front speakers.

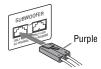


Surround speakers (MHC-GTX888/MHC-GTX777 only)

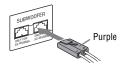


Subwoofer A (MHC-GTX888 only)





Subwoofer B (MHC-GTX888 only)



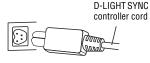
Notes

- · Be sure to use only the supplied speakers.
- Be sure to connect the speakers securely and correctly. When connecting speaker cords, insert the connector straight into the terminals.
- Be sure to connect both subwoofer A and subwoofer B to the unit.

D D-LIGHT SYNC OUT jack

Connect the D-LIGHT SYNC controller. You need to connect the

D-LIGHT SYNC controller to a lighting device* (not supplied). The lighting device will react according to the control signals transmitted by the D-LIGHT SYNC controller upon receiving music source from the system. For details on the use of the D-LIGHT SYNC controller and lighting device, refer to the operating instructions supplied with the respective device.



* Refer to the operating instructions supplied with the D-LIGHT SYNC controller for the recommended lighting device.

Note

The lighting effect may be different depending on the connected lighting device or the type of music being played back.

■ VOLTAGE SELECTOR

For models equipped with a voltage selector, set VOLTAGE SELECTOR to the position of your local power line voltage.

Depending on the model, the VOLTAGE SELECTOR may differ.

Brazil model only Other models





Power

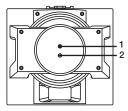
Connect the power cord to a wall outlet. The demonstration appears in the display. When you press I/U, the system turns on and the demonstration automatically ends

If the supplied adaptor on the plug does not fit your wall outlet, detach it from the plug (only for models equipped with an adaptor).

Using the subwoofers (MHC-GTX888 only)

You can use the subwoofers to enhance the bass.

Subwoofer A (SS-WG888A)



 Press SUBWOOFER ON/OFF on the subwoofer A to light up the indicator.

The subwoofers are turned on.

2 Turn SUBWOOFER LEVEL on the subwoofer A to adjust the level.

Using the remote

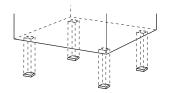


Notes

- If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.
- With normal use, the batteries should last for about six months. When the remote no longer operates the system, replace both batteries with new ones.
- Batteries installed devices shall not be exposed to excessive heat such as sunshine, fire or the like.

Attaching the speaker pads

Attach the supplied speaker pads at each corner on the bottom of the speakers to stabilize the speakers and to prevent them from slipping.



When carrying the unit

Do the following procedure to protect the disc mechanism.

Use the buttons on the unit for the operation.

- 1 Press I/ to turn on the system.
- 2 Press CD.
- 3 Press OPEN/CLOSE to open the disc tray and remove the disc. If there are more than one disc in the disc tray, press DISC SKIP/EX-CHANGE to remove the discs.
- 4 Press OPEN/CLOSE again to close the disc tray. Wait until "CD No Disc" appears in the display.
- 5 Hold down CD and then press I/① until "STANDBY" appears in the display. Then, "MECHA LOCK" appears in the display.
- **6** Unplug the AC power cord.

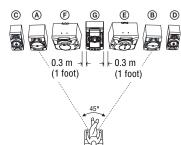
Positioning the speakers

You can place your speakers as shown below or by using Line Array Speaker System (page 17).

- (A) Front speaker (left)
- B Front speaker (right)
- © Surround speaker (left)
- (D) Surround speaker (right)
- © Subwoofer A
- F Subwoofer B
- © Unit

Place the front speakers at an angle of 45 degrees from your listening position.

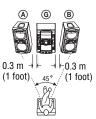
MHC-GTX888 only



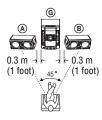
MHC-GTX787/LBT-ZTX7 only

There are 2 ways to place the front speakers.

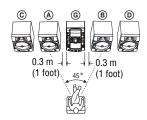
Example 1:



Example 2:



MHC-GTX777 only



Note

Place the speakers at least 0.3 meter (1 foot) away from the unit.

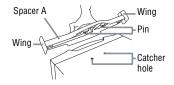
Installing Line Array Speaker System

(MHC-GTX888/MHC-GTX777 only)

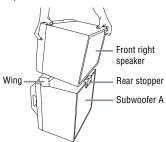
To create a party environment, we recommend that you install your speakers using Line Array Speaker System. Line Array Speaker System provides a wide sound space that suitable for large room like a hall

MHC-GTX888 only

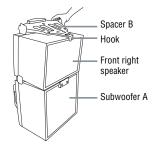
1 Insert the pins of the Spacer A (supplied) to the catcher holes on the top of subwoofer A.



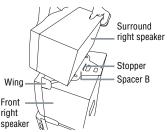
2 Stack the front right speaker horizontally on top of the subwoofer A. Make sure the front right speaker is within the rear stopper of the subwoofer A and wings of the Spacer A.



3 Put the Spacer B (supplied) on top of the front right speaker with the hook hooked to the speaker cabinet.

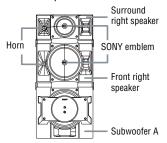


4 Stack the surround right speaker horizontally on top of the front right speaker. Make sure the surround right speaker is within the stopper and wings of the Spacer B.



5 Check that both the front right and surround right speaker horn are at the same side. Make sure the horns are near to the unit.

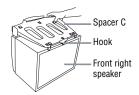
Turn the SONY emblem on the front right and surround right speaker to horizontal position.



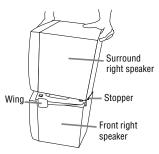
6 Repeat steps 1 to 5 to install the subwoofer B, front left speaker and surround left speaker.

MHC-GTX777 only

- 1 Place the front right speaker horizontally.
- 2 Put the Spacer C (supplied) on top of the front right speaker with the hook hooked to the speaker cabinet.

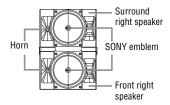


3 Stack the surround right speaker horizontally on top of the front right speaker. Make sure the surround right speaker is within the stopper and wings of the Spacer C.



4 Check that both the front right and surround right speaker horn are at the same side. Make sure the horns are near to the unit.

Turn the SONY emblem on the front right and surround right speaker to horizontal position.

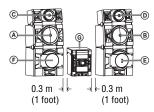


5 Repeat steps 1 to 4 to install the front left speaker and surround left speaker.

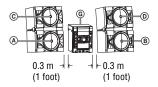
Positioning the Line Array Speaker System

- A Front speaker (left)
- (B) Front speaker (right)
- © Surround speaker (left)
- (D) Surround speaker (right)
- © Subwoofer A
- E Subwoofer B
- (G) Unit

MHC-GTX888 only



MHC-GTX777 only



Notes

- For maximum listening effect, we recommend you to place the speakers with the horn near to the unit.
- Place the speakers at least 0.3 meter (1 foot) away from the unit.

Setting the clock

Use buttons on the remote for the operation.

1 Press I/\bigcirc to turn on the system.

2 Press CLOCK/TIMER SET.

The hour indication flashes in the display.

If "PLAY SET?" flashes in the display, press I◄ or ►► repeatedly to select "CLOCK SET?", then press ENTER.

3 Press I or ►►I repeatedly to set the hour.

4 Press ENTER.

The minute indication flashes in the display.

5 Press I or ► repeatedly to set the minute.

6 Press ENTER.

The clock starts functioning.

Note

The clock settings are canceled when you disconnect the power cord or if a power failure occurs.

To display the clock when the system is off

Press DISPLAY on the unit repeatedly until the clock is displayed. The clock is displayed for a few seconds.

Basic Operations

Playing a CD/MP3 disc

- 1 Press CD.
- 2 Press OPEN/CLOSE ▲.
- 3 Load a disc with the label side facing up on the disc tray.

When you play back an 8 cm disc such as a CD single, place it on the inner circle of the tray.



To load additional discs, press DISC SKIP/EX-CHANGE to rotate the disc tray.

Do not forcibly push the disc tray to close it as this may cause a malfunction.

- 5 Press ►II (or ► on the remote) to start playback.
- **6** Turn MASTER VOLUME (or press VOLUME +/- on the remote) to adjust the volume.

Other operations

То	Do this
Stop playback	Press ■.
Pause playback	Press II (or II on the remote). Press II (or III on the remote) again to resume playback.
Select a track or file	Press I◀ or ▶►I repeatedly during playback. For AUDIO CD, you can also turn OPERATION DIAL, then press ENTER. (TRACK SEARCH)
Select a folder on an MP3 disc	Press +/- repeatedly.
Select a file on an MP3 disc while viewing the folder and file names on the display (TRACK SEARCH)	1 Turn OPERATION DIAL to select the folder you want, then press ENTER. 2 Turn OPERATION DIAL to select the file you want, then press ENTER. To return to the previous operation, press RETURN.
Find a point in a track or file ¹⁾	Hold down ◀◀ or ▶► on the remote during playback, then release it at the point you want.
Playback all the tracks or files on the disc(s) or in the folder ²⁾ repeatedly ³⁾ (Repeat Play)	Press REPEAT on the remote repeatedly during playback until "REP" lights up in the display.
Playback a single track or file repeatedly ⁴⁾ (Repeat Play)	Press REPEAT on the remote repeatedly during playback until "REP 1" lights up in the display.

То	Do this
Select a disc when playback is stopped	Press one of the DISC 1 ~ 3 buttons or DISC SKIP/ EX-CHANGE (or DISC SKIP on the remote).
Switch to CD function from another source and start playback automatically	Press one of the DISC 1 ~ 3 buttons (Automatic Source Selection).
Exchange other discs while playing	Press DISC SKIP/ EX-CHANGE.

¹⁾ The elapsed playing time may not be displayed correctly depending on the MP3

To change the play mode

Press PLAY MODE on the remote repeatedly when playback is stopped. You can select the following play mode.

Select	To play back
Select	TO play back
ALL DISCS	The tracks or files on all
(Normal Play)	discs in original order.
1 DISC	The tracks or files on the
(Normal Play)	disc you have selected in
(original order.
	The MP3 files in the
(Normal Play)	folder on the disc you
	have selected in original
	order.
	For AUDIO CDs, this
	play mode performs the
	same operation as
	"1 DISC" play mode.

Select	To play back	
ALL DISCS SHUF* (Shuffle Play)	The tracks or files on all discs in random order.	
1 DISC SHUF* (Shuffle Play)	The tracks or files on the disc you have selected in random order.	
SHUF* (Shuffle Play)	The MP3 files in the folder on the disc you have selected in random order. For AUDIO CDs, this play mode performs the same operation as "1 DISC SHUF" play mode.	

* Each time you perform Shuffle Play, the playing order may differs.

Notes on playing discs

- The following discs/situations can increase the time it takes to start playback:
 - a disc recorded with a complicated tree structure.
 - a disc recorded in Multi Session.
 - a disc to which data can be added (non-finalized disc).
 - when the files in another folder have just been played back.
- When the disc is loaded, the system reads all the files on that disc. If there are many folders or non-MP3 files on the disc, it may take a longer time for playback to begin or for the next MP3 file to start playback.
- MP3 files are played back in the order that they are recorded onto the disc.
- You are recommended not to save other types of files or unnecessary folders on a disc that has MP3 files.

²⁾ When "□" or "□ SHUF" is selected for MP3 files.

³⁾ Playback repeatedly up to five times. You cannot select "REP" and "ALL DISCS SHUF" at the same time.

⁴⁾ A track or file is played back repeatedly until you stop playback.

- The system can only play back MP3 files with the extension ".mp3".
- Attempting to play back non-MP3 format files that have the extension ".mp3" may result in noise or malfunction.
- A folder that does not include an MP3 file is skipped.
- The system can recognize the maximum of – 255 folders (including the root folder).
 - 511 MP3 files.
 - 512 MP3 files and folders on a single disc.
 - 8 folder levels.
- Depending on the encoding/writing software, recording device, or the recording media used to record an MP3 file, you may encounter problems such as cannot play back, sound interruptions and noise.

Listening to the radio

Use buttons on the remote for the operation.

- 1 Press TUNER/BAND repeatedly to select FM or AM band.
- **2** Press TUNING MODE repeatedly until "AUTO" lights up in the display.
- 3 Press +/-.

You can also use TUNING +/- on the unit.

Scanning stops automatically when a station is tuned in and "TUNED" lights up in the display. When a FM stereo program is tuned in, "ST" lights up in the display.

Note

If "TUNED" does not light up and scanning does not stop, see "To tune in a station with a weak signal" below.

4 Press VOLUME +/- to adjust the volume.

To stop automatic scanning

Press

To tune in a station with a weak signal

Use buttons on the remote for the operation.

- 1 Press TUNING MODE repeatedly until "AUTO" and "PRESET" disappear from the display.
- 2 Press +/- repeatedly to tune in the station you want.

You can also use TUNING +/- on the unit.

To change the AM tuning interval (Except for European model)

The factory setting for AM tuning interval is 9 kHz (or 10 kHz for some areas). Use the buttons on the unit for the operation.

- Press TUNER/BAND repeatedly to select AM band.
- 2 Press I/ to turn off the system.
- 3 When demonstration appears, hold down ENTER and then press I/♂. The system turn on automatically. "AM 9K STEP" or "AM 10K STEP" appears in the display.

When you change the interval, all the AM preset stations are erased.

Tip

To improve broadcast reception, adjust the supplied antennas, or connect an external antenna.

To reduce static noise on a weak FM stereo station

Press FM MODE on the remote repeatedly until "MONO" lights up in the display.

There will be no stereo effect, but the reception will improve.

Transferring onto an USB device

You can transfer music from a sound source to an optional USB device by connecting it to the (USB) port on the unit.

The audio format transferred by this system is MP3. The approximate size of the transferring is about 1 MB per minute of transferring time (except MP3 disc). The files those are transferred onto the USB device is for personal use only. See "Compatible USB devices with this system" (page 56) for a list of USB devices that

can be connected to this system.

There are three ways to transfer onto an USB device.

CD-USB Synchronized Transfer:

You can easily transfer an entire disc onto an USB device.

REC1 Transferring:

You can easily transfer a single track or file that is currently being played back onto an USB device.

Manual Transferring:

You can transfer just the portion you want from a sound source, including connected audio components.

1 Connect a transferable USB device to the ← (USB) port on the unit.



Continued ____

2 Prepare the transferring source.

For CD-USB Synchronized Transfer:

Press CD, then load the disc you want to transfer on the disc tray. You can transfer tracks or files on all the discs in the order you want using Program Play. Perform steps 2 to 6 of "Creating your own program" on page 33. However, the play mode automatically changes to Normal Play, if you start transferring in Program Play with no tracks or files are programmed, Shuffle Play or Repeat Play.

For REC1 Transferring:

Press CD, then load the disc you want to transfer on the disc tray. Select the track or file you want to transfer, then press >11.

For Manual Transferring:

Press the function button (except CD) to select the source you want to transfer.

3 Start transferring.

For CD-USB Synchronized Transfer:

Press REC TO USB. "USB", "SYNC" and "REC" light up in the display.

When the transferring is completed, the disc and the USB device stop automatically.

For REC1 Transferring:

Press REC TO USB .

"USB" and "REC" light up in the display.

When the transferring is completed, the disc continues to play.

For Manual Transferring:

Press REC TO USB.

"USB" and "REC" light up in the display.

Start playback the source to be transferred.

A new file is automatically created after approximately 1 hour of transferring.

You can also create a new file any time during transferring by pressing REC TO USB. "New Track" appears in the display and transferring continues as a new file.

However, if you press REC TO USB after a few seconds from the new file creation, the file cannot be created and "Not in Use" appears in the display. To stop transferring, press .

qiT

If noise is heard while transferring from the radio, move the respective antenna to reduce the noise.

Notes

- Transferring stops automatically when you change the function or tuner band.
- When a new MP3 file is created, a few seconds of music source would be lost.

To select the transferring destination on the Sony Ericsson mobile phone

When transferring music from this system to a mobile phone, you can select the internal memory of the mobile phone or an external memory (such as a Memory Stick, etc.) as a transferring destination.

- 1 Connect the mobile phone to the (USB) port on the unit.
- 2 Press OPTIONS.
- **3** Turn OPERATION DIAL to select "USB SELECT".
- 4 Press ENTER.

The drive name is displayed. The displayed name vary depending on the specifications of the mobile phone.

5 Turn OPERATION DIAL to select the drive you want.

If only one drive is displayed, proceed to step 6.

To cancel this operation, press OPTIONS.

- 6 Press ENTER.
- 7 Start transferring by following steps 2 and 3 of "Transferring onto an USB device" (page 23).

To remove the USB device

- **1** Press USB (or USB on the remote).
- 2 When playback is stopped, hold down ■ on the unit until "No Device" appears in the display.
- 3 Remove the USB device.

To erase audio files or folders from the USB device

You can erase audio files or folders from the USB device.

- 1 Connect a transferable USB device to the ← (USB) port on the unit.
- 2 Press USB (or USB on the remote).
- 3 To erase an audio file, press I◄◄ or ►►I repeatedly to select the audio file.

To erase a folder, press -+- repeatedly to select the folder.

4 Press ERASE.

"Track Erase?" or "Folder Erase?", and "Push ENTER" appear alternatively in the display.

To cancel the erase operation, press
...

5 Press ENTER.

The selected audio file or folder is erased.

Notes

- The program list is cleared when you perform the erase operation.
- You cannot erase audio files and folders in Shuffle Play mode or Program Play mode.

Folder and file generation rules

When transferring to an USB device for the first time, a "MUSIC" folder is created directly below the "ROOT". Folders and MP3 files are generated within this "MUSIC" folder as follows according to the transferring method.

CD-USB Synchronized Transfer¹⁾

,		
Transferring	Folder	File name
source	name	
MP3 disc	Same as the tr source ²⁾	ansferring
AUDIO CD	CDDA0013)	TRACK0014)

REC1 Transferring

Transferring source	Folder name	File name
MP3 disc	REC1 ⁵⁾	Same as the transferring source ²⁾
AUDIO CD		TRACK0014)

Manual Transferring

Transferring	Folder	File name
source	name	
TUNER FM	TUFM001 ³⁾	TRACK0014)
TUNER AM	TUAM001 ³⁾	TRACK0014)
AUDIO	EXAU001 ³⁾	TRACK0014)
VIDEO	EXVD001 ³⁾	TRACK0014)
TAPE	TAPE001 ³⁾	TRACK0014)

¹⁾ In Program Play mode, the folder name is "PGM_xxx", and the file name depends on the transferring source (AUDIO CD or MP3 disc).

Notes

- Do not connect the system and the USB device through an USB hub.
- You cannot eject the disc during transferring from disc to USB.
- When transferring from an MP3 disc, MP3 files are transferred with the same bit rate as the original MP3 files.

When transferring from other sound source, the tracks are transferred as 128 kbps MP3 files

- While transferring from an MP3 disc, no sound is output.
- If you cancel the transferring partway, an MP3 file is created up to the point when the transferring was stopped.
- · Transferring stops automatically if:
- the USB device runs out of space during transferring.
- the number of audio files on the USB device reaches the limit for the number that the system can recognize.
- A folder that contains non-audio format files or sub folders cannot be erased.
- The maximum number of folders that can be created on a single USB device by this system is 997

The maximum number of MP3 files that can be created on a single USB device by this system is 999.

The maximum number of audio files and folders may vary depending on the audio file and folder structure.

- If a folder or file that you are trying to transfer already exists on the USB device with the same name, a sequential number is added after the name without overwriting the original folder or file.
- If you perform transferring after the erase operation, the new transferred files or folders may have the name that same as the erased files or folders. Therefore, the playback sequence may different from the transferring sequence.

²⁾ Up to 32 characters of the name are assigned.

³⁾ Folder numbers are assigned serially thereafter.

⁴⁾ File numbers are assigned serially thereafter.

⁵⁾ A new file is transferred in the "REC1" folder each time REC1 Transferring is performed.

Listening to music of an USB device

You can listen to music stored in an optional USB device by connecting it to the (USB) port on the unit. The audio formats that can be played back by this system are as follows:

MP3*/WMA*/AAC*

When playback from a mobile phone, you can select the internal memory or an external memory as a playback source. For details, see steps 1 to 6 of "To select the transferring destination on the Sony Ericsson mobile phone" (page 25). See "Compatible USB devices with this system" (page 56) for a list of USB devices that can be connected to this system.

- * Files with copyright protection (Digital Rights Management) cannot be played back by this system.
 - Files downloaded from an online music store may not be played back by this system.
- 1 Press USB (or USB on the remote).
- 2 Connect an optional USB device to the ← (USB) port on the unit.

When the USB device is connected, the display changes as follows: USB Reading → volume label*

* "Storage Drive" appears when there is no volume label assigned to the USB device. "WALKMAN" appears when a Sony digital music player is connected.

Note

Depending on the type of USB device, it may take a few seconds before "USB Reading" appears in the display.

3 Press ►II (or ► on the remote).

4 Turn MASTER VOLUME (or press VOLUME +/- on the remote) to adjust the volume.

To remove the USB device

- 1 Press USB (or USB on the remote).
- 2 When playback is stopped, hold down on the unit until "No Device" appears in the display.
- 3 Remove the USB device.

Other operations

То	Do this
Stop playback	Press ■. To cancel resume playback, press ■ twice and check that "RESUME" disappears from the display.
Pause playback	Press II (or II on the remote). To resume playback, press II (or II on the remote) again.
Select the next or previous folder	Press — +/- repeatedly.
Select the next or previous file	Press ► or ► repeatedly.
Select a file while viewing the folder and file names on the display (TRACK SEARCH)	1 Turn OPERATION DIAL to select the folder you want, then press ENTER. 2 Turn OPERATION DIAL to select the file you want, then press ENTER. To return to the previous operation, press RETURN.

То	Do this
Find a point in a file	Hold down ◀◀ or ▶▶ on the remote during playback, then release it at the point you want.
Playback all the files in the USB device or the folder repeatedly (Repeat Play)	Press REPEAT on the remote repeatedly during playback until "REP" lights up in the display.
Playback a file repeatedly* (Repeat Play)	Press REPEAT on the remote repeatedly during playback until "REP 1" lights up in the display.

^{*} A file is playback repeatedly until you stop playback.

To change the play mode

Press PLAY MODE on the remote repeatedly when playback is stopped. You can select the following play mode.

Select	To play back
When "□", "SHUF", "□ SHUF" and	All the files in original order.
"PGM" do not light up in display (Normal Play)	t
(Normal Play)	All the files in the selected folder in original order.
SHUF* (Shuffle Play)	All the files in random order.
SHUF* (Shuffle Play)	All the files in the selected folder in random order.

^{*} Each time you perform Shuffle Play, the playing order may differs.

Notes on USB device

- The following situations can increase the time it takes to start playback:
 - the folder structure is complex.
 - the memory capacity is excessive.

- When the USB device is connected, the system reads all the files on the USB device.
 If there are many folders or files on the USB device, it may take a long time to finish reading the USB device.
- Do not connect the system and the USB device through an USB hub.
- Depending on the previous operation you have performed with the USB device, the operation time for the USB device may vary.
- If the system is turned off during Resume Play mode, when the system is turned on again playback starts from the beginning of the audio file.
- This system does not necessarily support all the functions provided in a connected USB device
- The playback order for the system may differ from the playback order of the connected digital music player.
- Be sure to turn off the system before removing the USB device. Removing the USB device while the system is turned on may corrupt the data on the USB device.
- You are recommended not to save other types of files or unnecessary folders on an USB device that has audio files.
- A folder that does not include an audio file is skipped.
- Files and folders are played back in alphabetical order in this system.
- · The system can only play back
 - MP3 files with the extension ".mp3".
 - WMA files with the extension ".wma".
 - AAC files with the extension ".m4a".
 Note that even when file names have the above file extensions, if the actual file differs, the system may produce noise or may malfunction.
- · The system can recognize the maximum of
- 999 folders.
- 999 audio files.

The maximum number of audio files and folders may vary depending on the audio file and folder structure.

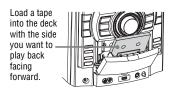
 Compatibility with all encoding/writing softwares, recording devices, and recording media cannot be guaranteed. Incompatible USB device may produce noise or interrupted audio or may not play back at all.

Playing a tape

You can use TYPE I (normal) tape.

- 1 Press TAPE (or FUNCTION on the remote repeatedly to select "TAPE").
- 2 Load a tape.

Push PUSH ▲ OPEN/CLOSE to open the deck.



Push PUSH ▲ OPEN/CLOSE again to close the deck.

3 Press ►II (or ► on the remote).

The tape starts playing.

Other operations

То	Do this
Stop playback	Press ■.
Pause playback	Press II (or II on the remote). Press II (or II on the remote) again to resume playback.
Fast forward or rewind	Press ◀◀ or ▶▶. To return to normal playback, press ▶Ⅱ (or ▶ on the remote).
Remove a tape	Push PUSH ▲ OPEN/ CLOSE when playback is stopped.

Note

To erase content of the tape, do the recording in tape function.

Using optional components

- 1 Connect a TV or VCR to the VIDEO (AUDIO IN) L/R jacks using an audio analog cord (not supplied).
 - Connect an portable audio player to the AUDIO INPUT L/R jacks using an audio analog cord (not supplied).
- 2 Turn MASTER VOLUME counterclockwise (or press VOLUME on the remote) to turn down the volume.
- To listen to TV or VCR, press VIDEO (or FUNCTION on the remote repeatedly to select "VIDEO").

 To listen to portable audio
 - To listen to portable audio player, press AUDIO (or FUNCTION on the remote repeatedly to select "AUDIO").
- 4 Start playing the connected component.
- 5 Turn MASTER VOLUME (or press VOLUME +/- on the remote) to adjust the volume.

Adjusting the sound

To add a sound effect

TO dad a count officet		
То	Do this	
Reinforce the bass and create a more powerful sound	Press GROOVE repeatedly until "GROOVE"* or "Z-GROOVE"* lights up in the display.	
Set the surround effect	(MHC-GTX787/ MHC-GTX777/ LBT-ZTX7 only) Press SURROUND repeatedly until "SURROUND" lights up in the display.	
Select the preset sound effect	Press PRESET EQ (or EQ on the remote) repeatedly. To cancel, press PRESET EQ (or EQ on the remote) repeatedly to select "FLAT".	

^{*} The volume switches to power mode and the equalizer curve changes.

Selecting the sound system

(MHC-GTX888 only)

You can enjoy different sounds by selecting the sound mode you want.

Press SURROUND SPEAKER MODE repeatedly.

LINK

Reproduces the same sound with different output levels.

"LINK" lights up in the display.

MATRIX SURROUND 1

Reproduces a wide range of sound that can actually sense the size of the room. "MATRIX SUR 1" lights up in the display.

MATRIX SURROUND 2

Reproduces a wide range of sound that can actually sense the size of the room. The surround sound is reinforced. "MATRIX SUR 2" lights up in the display.

Enhancing the sound quality

You can enhance the sound quality by using the MP3 BOOSTER+ function.

- 1 Press OPTIONS.
- 2 Turn OPERATION DIAL to select "MP3 BOOSTER+", then press ENTER.
- 3 Turn OPERATION DIAL to select "AUTO", then press ENTER. To exit the OPTIONS menu, press OPTIONS.

Note

When an audio file is played back, the MP3 BOOSTER+ function is automatically activated if you have set "MP3 BOOSTER+" to "AUTO". "BOOSTER" lights up in the display.

Creating a party atmosphere

- X-TRANCE

You can create a party atmosphere by using X-TRANCE.

То	Do this
Flash the sound output (The sound cuts off periodically)	Hold down SOUND FLASH during playback To cancel the effect, release SOUND FLASH
Change the sound flash speed (1~20)	Hold down SOUND FLASH and turn OPERATION DIAL.
Create a deep flanging effect that is similar to the roar of a jet plane	Press FLANGER repeatedly to select "FLANGER ON".
Create a "live" sound with full characteristic reverb effect	Press DELAY repeatedly to select "DELAY ON".
Create a slow and deep chorus effect	Press CHORUS repeatedly to select "CHORUS ON".

Notes

- The FLANGER, DELAY or CHORUS sound effect is automatically turned off when you:
 - turn off the system.
 - change the function.
 - select other sound effect.
- If you activate FLANGER, DELAY or CHORUS during recording/transferring, the sound effect will be recorded onto the tape or transferred onto the USB device. However, these sound effect will not be transferred onto the USB device during CD function.

Changing the display

- 1 Press OPTIONS.
- 2 Turn OPERATION DIAL to select the item you want, then press ENTER

The last selected item setting appears in the display.

ILLUM

Change the illumination pattern around MASTER VOLUME.

METER BACKLIGHT

Change the meter backlight pattern.

METER POINTER

Change the meter pointer pattern.

DISPLAY

Change the front panel display pattern.

- 3 Turn OPERATION DIAL to select the setting you want.
- 4 Press ENTER.
- 5 Repeat steps 2 to 4 to make other settings.

To exit the OPTIONS menu

Press OPTIONS again.

Changing the display mode

Press DISPLAY repeatedly while the system is turned off.

You can select the following display mode.

Demonstration

The display changes and the indicators flash even when the system is turned off.

No display (Power Saving Mode)*

The display is turned off to conserve power. The timer and clock continue to operate.

Clock

The clock is displayed. The clock display automatically turns to Power Save Mode after a few seconds.

- * You cannot perform the following operations during Power Saving Mode:
 - Setting the clock (page 19).
 - Changing the AM tuning interval (page 23).
- Turning on the system by pressing the function buttons (CD, TUNER/BAND, TAPE, AUDIO, VIDEO or USB).

Using the Meter Display

You can easily view the information through the meter display such as the music source level

To select a preset display pattern

Press METER MODE repeatedly to select the preset display pattern you want.

Front panel display, meter display and power illuminator will change according to the preset pattern you have selected.

Viewing information in the display

Checking the elapsed playing time, remaining time and titles

Press DISPLAY repeatedly during playback.

The following information appears in the display.

When playing an AUDIO CD:

- ① Elapsed playing time of the current track
- ② Remaining time of the current track
- (3) Remaining time of the current disc¹)
- (4) Clock display (for few seconds)
- (5) Effect name (for few seconds)

When playing audio files:

- ① Elapsed playing time of the current file
- ② Track name²⁾ from the file information
- (3) Artist name³⁾ from the file information
- (4) Album name⁴⁾ from the file information
- (5) Clock display (for few seconds)
- 6 Effect name (for few seconds)
- 1) Appears only when "1 DISC" or "
 "play mode is selected.
- ²⁾ File name is displayed when there is no track name information from the file.
- 3) "NO ARTIST" is displayed when there is no artist name information from the file.
- 4) Folder name is displayed when there is no album name information from the file.

Checking the total playing time and titles

Press DISPLAY repeatedly when playback is stopped.

The following information appears in the display.

During "PGM" play mode:

- 1 The last programmed item information
- ② Total number of programmed step¹⁾²⁾
 (for few seconds)
- (3) Memory free space of connected USB device³⁾
- 4 Clock display (for few seconds)
- (5) Effect name (for few seconds)

During other play mode:

① AUDIO CD:

Total number of tracks and total playing time

Audio files:

Total number of files of the current folder and folder name

Total number of folders and volume label of the disc²/USB device³)

- ② Memory free space of the connected USB device³⁾
- 1) "NO STEP" appears in the display if you have not program the tracks or files.
- 2) Appears during CD function only.
- 3) Appears during USB function only.

Notes

- · Some text characters may not be displayed.
- If the audio file title contains characters which cannot be displayed, these characters will be displayed as " "."

Other Operations

Creating your own program

- Program Play

You can make a program of up to 25 steps in the order you want them to be played back.

You can synchro record the programmed tracks or files onto a tape or synchro transfer the programmed tracks of files onto an USB device (page 23 or 36).

1 Select the function you want.

Press CD to select CD function.

Press USB (or USB on the remote) to select USB function.

- 2 When playback is stopped, press PLAY MODE on the remote repeatedly until "PGM" lights up in the display.
- 3 (For CD function only)
 Press one of the DISC 1 ~ 3
 buttons or DISC SKIP/
 EX-CHANGE (or DISC SKIP on
 the remote) to select a disc.

To program all the tracks on a disc at once:

Proceed to step 5 while "ALL" appears in the display.

To program all the MP3 files on a folder at once:

Press — +/- repeatedly until the folder you want appears in the display, then proceed to step 5.

4 Select a track or file to program.

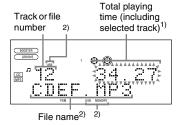
To program a track:

Press ► or ► repeatedly until the track number you want appears in the display.

To program an audio file:

Press — +/- repeatedly until the folder you want appears in the display, then press ◄ or ►► repeatedly until the file number you want appears in the display.

"----" flashes in the display.



When program an audio file, "--.--" appears.

5 Press ENTER.

The track(s) or file(s) is(are) programmed.

The programmed step number appears in the display.

6 To program additional discs, tracks or files.

To program	Repeat steps	
Other discs	3 and 5	
Other tracks or files 4 and 5 on the same disc		
Other tracks or files on other discs	3 to 5	
Other files on same folder	4 and 5 (without pressing +/_)	
Other files on other folder	4 and 5	

7 Press ►II (or ► on the remote).

Program Play starts.

Other operations

То	Do this
Cancel Program Play	When playback is stopped, press PLAY MODE on the remote repeatedly until "PGM" disappear from the display.
Delete the last step from the program list	Press CLEAR on the remote when playback is stopped.

Note

(For USB function only)

The program list is cleared when you perform the erase operation.

Tips

- The program you made remains in the system's memory even after it has been played back. Press ►II (or ► on the remote) to play back the same program again.
- If "--.-" appears instead of the total playing time during programming, this means:
- you have programmed a track in an AUDIO
 CD with track number exceeds 20.
- the total playing time has exceeded 100 minutes.
- you have programmed an audio file.

²⁾ Appears for USB function only.

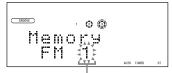
Presetting radio stations

You can preset your favourite radio stations and tune them in instantly by selecting the corresponding preset number.

Use buttons on the remote to preset stations.

- 1 Tune in the station you want (see "Listening to the radio" (page 22)).
- 2 Press TUNER MEMORY.

A preset number flashes in the display. The stations are stored from preset number 1.



Preset number

3 Press +/- repeatedly to select the preset number you want.

If another station is already assigned to the selected preset number, the station is replaced by the new stations.

- 4 Press ENTER.
 - "Complete!" appears in the display. The station is stored.

5 Repeat steps 1 to 4 to store other stations.

You can preset up to 20 FM and 10 AM stations.

To call up a preset radio station, press TUNING MODE repeatedly until "PRESET" lights up in the display. Then, press +/- repeatedly to select the preset number you want.

To cancel presetting

Press TUNER MEMORY.

Using the Radio Data System (RDS)

(European model only)

What is the Radio Data System?

Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular program signal. This tuner offers convenient RDS features like station name. RDS is available only on FM stations.*

* Not all FM stations provide RDS service, nor do they provide the same types of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

Note

RDS may not work properly if the station you are tuned in is not transmitting the RDS signal properly or if the signal is weak.

Receiving RDS broadcasts Simply select a station from FM band.

When you tune in a station that provides RDS services, the station name appears in the display.

To check the RDS information While receiving an RDS station, press DISPLAY repeatedly.

RDS information appears on the display.

Recording onto a tape

There are three ways to record on a TYPE I (normal) tape.

CD-TAPE Synchro Recording:

You can record an entire disc onto a tape. The recording level is adjusted automatically.

Manual Recording:

You can record just the portion you want from a sound source, including connected audio components.

Sound Mixing:

You can "mix" sound from any of the sound sources and singing or speaking into a microphone (not supplied). The mixed sound can be recorded onto a tape.

1 Load a recordable tape into tape deck.

Be sure to load the tape with the side you want to record facing forward.

2 Prepare the recording source.

For CD-TAPE Synchro Recording:

Press CD and load the disc you want to record.

- To record a folder of MP3 files, press PLAY MODE on the remote repeatedly until "\(\bigcirc\)" lights up in the display. Then, press \(\bigcirc\) +/- repeatedly to select the folder you want.
- You can record tracks or files on all the discs in the order you want using Program Play. Perform steps 2 to 6 of "Creating your own program" (page 33). When programming, make sure the playing times do not exceed the length of one side of the tape.

For Manual Recording and Sound Mixing:

Press the function button (except TAPE) to select the source you want to record.

If you want to record your voice through the microphone only, you can do so by selecting the CD function and not playing any other source.

3 Set tape deck to stand by for recording.

For CD-TAPE Synchro Recording:

Press REC TO TAPE.

"TAPE" and "SYNC" light up and "REC" flashes in the display. "PUSH ENTER" appears in the display.

For Manual Recording and Sound Mixing:

Press REC TO TAPE.

"TAPE" lights up and "REC" flashes in the display.

- When recording from a disc, press
 I◄ or ►► repeatedly to select a track or file during recording pauses.
- To record a folder of MP3 files, press PLAY MODE on the remote repeatedly until "
 "lights up in the display. Then, press
 +/repeatedly to select the folder you want.

4 Start recording.

While recording, you cannot listen to other sources.

For CD-TAPE Synchro Recording:

Press ENTER. When the recording is completed, the disc and the tape stop automatically.

For Manual Recording:

Press ENTER, and then start playing the recording source.

If there is noise while recording from the tuner, reposition the respective antenna to reduce the noise.

For Sound Mixing:

Press ENTER, and then start playing the source and start singing or speaking into the microphone. Adjust the microphone volume by turning MIC LEVEL. After you have finished, turn MIC LEVEL to MIN.

If acoustic feedback (howling) occurs, reduce the volume, move the microphone away from the speakers, or change the direction of the microphone.

To stop recording

Press .

Notes

- You cannot eject the disc during CD-TAPE Synchro Recording.
- If you connect or disconnect a microphone or headphone during recording, the sound may cut off for a moment.
- If FLANGER, DELAY or CHORUS sound effect is selected while recording, the selected sound effect will be recorded onto the tape.

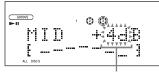
Tip

When high level sound signals are input, the system automatically adjusts the recording level to prevent distortion of the recorded sound signals (Auto Level Control Function).

Creating your own sound effect

You can adjust the sound by raising or lowering the level of specific frequency band, then store up to three user equalizer settings in the memory.

- 1 Press EQ BAND/MEMORY repeatedly to select a frequency band or surround effect.
- 2 Turn OPERATION DIAL to adjust the level or select the surround effect you want.



Frequency level

- 3 Repeat steps 1 and 2 to adjust the level of other frequency bands and surround effect.
- 4 Press ENTER.

A user equalizer number flashes in the display.

5 Turn OPERATION DIAL to select a user equalizer number (1~3) you want to store the equalizer setting.

Select "EXIT?" to cancel storing.

6 Press ENTER.

This setting is automatically stored as the user equalizer setting you selected in step 5.

The previous setting stored at this memory location is erased and replaced by the new setting.

To call up the user equalizer setting

Press PRESET EQ (or EQ on the remote) repeatedly to select "USER EQ 1", "USER EQ 2" or "USER EQ 3".

To cancel the sound effect

Press PRESET EQ (or EQ on the remote) repeatedly until "FLAT" appears in the display.

Notes

- When you select certain preset effects, the surround effect may be canceled.
- When the surround effect is selected, "SURROUND" lights up in the display.

Singing along

You can sing along with any audio source that play back on this system.

- 1 Turn MIC LEVEL to MIN to reduce the microphone volume.
- 2 Connect an optional microphone to MIC jack.
- 3 Start playing the music and adjust the volume.
- 4 Turn MIC LEVEL to adjust the microphone volume.

If acoustic feedback (howling) occurs, reduce the volume, move the microphone away from the speakers, or change the direction of the microphone.

After you have finished, disconnect the microphone from the MIC jack.

Using the timer

The system offers three timer functions.

Sleep Timer

You can set the system to turn off after a certain time, so that you can fall asleep to music.

Press SLEEP on the remote repeatedly.

The minute display (turn-off time) changes.

If you select "AUTO", the system automatically turns off after the current disc, USB device or tape stops or in 100 minutes

Do not select "AUTO" during CD-TAPE Synchro Recording, CD-USB Synchronized Transfer or the erase operation.

Note

The system is not turned off on the preset time during the USB erase operation.

The system will only automatically turns off after the USB erase operation finish.

Tip

To check the remaining time, press SLEEP on the remote once. However, you cannot check the remaining time if you select "AUTO".

Play Timer/Recording Timer

You cannot activate both the Play Timer and the Recording Timer at the same time. If you use either with the Sleep Timer, the Sleep Timer has priority.

Make sure you have set the clock. Use the buttons on the remote for the operation.

Play Timer:

You can wake up to music from disc, tape, tuner or optional USB device at a preset time.

Recording Timer:

You can record onto a tape or transfer onto a transferable USB device from a preset station at a specified time.

1 Prepare the sound source.

For Play Timer:

Prepare the sound source and then press VOLUME +/- to adjust the volume.

To start from a specific track or file, create your own program (page 33).

For Recording Timer:

Tune in the preset radio station you want (page 35).

2 Press CLOCK/TIMER SET, then press I◄◀ or ▶►I repeatedly to select "PLAY SET?" or "REC SET?", then press ENTER. For Recording Timer, you can also press REC TIMER on the unit.

"ON" appears and the hour indication flashes in the display.

3 Set the time to start playback or recording/transferring.

Press I or ▶ repeatedly to set the hour, then press ENTER. The minute indication flashes in the display. Use the procedure above to set the minute. "OFF" appears and the hour indication flashes in the display.

4 Set the time to stop playback or recording/transferring using the same procedure as step 3.

5 Select the sound source or prepare the USB device or tape.

For Play Timer:

Press I◀ or ▶ repeatedly until the music source you want appears in the display, then press ENTER. The display will show the timer settings.

For Recording Timer:

Press ► or ► repeatedly to select "USB REC" or "TAPE REC". Then, press ENTER.

The display will show the timer settings. Connect a transferable USB device or load a recordable tape into tape deck.

6 Press I/U to turn off the system.

The system turns on 15 seconds before the preset time.* If the system is on at the preset time, the Play Timer and the Recording Timer will not play or record/transfer.

* For USB Recording Timer, the system turns on 1 minute before the preset time.

Other operations

To	Do this
Check the setting	ng 1 Press CLOCK/TIMER SELECT. "SELECT" appears in the display.
	2 Press ◄ or ► repeatedly to select "PLAY SELECT?" or "REC SELECT?", then press ENTER.
Change the setting	Start from step 1.

То	Do this
Cancel the Play	1 Press CLOCK/TIMER
Timer or	SELECT.
Recording Timer	"SELECT" appears in
	the display.
	2 Press I or ►►I
	repeatedly to select
	"TIMER OFF?", then

Notes

 The Play Timer and Recording Timer will not be activated if the system is turned on or if "STANDBY" flashes in the display.

press ENTER.

- The Play Timer setting remains as long as the setting is not canceled manually.
- The Recording Timer is automatically canceled after the Recording Timer has been activated.
- The volume is reduced to minimum during Recording Timer.
- The system is not turned off on the preset time during the USB erase operation.
 The system will only automatically turns off after the USB erase operation finish.

Additional Information

Troubleshooting

Should you encounter a problem with your system, do the following:

- 1 Make sure the power cord and speaker cords are connected correctly and firmly.
- 2 Find your problem in the troubleshooting checklist below and take the indicated corrective action.

If the problem persists after doing all of the above, consult your nearest Sony dealer

Note that if service personnel changes some parts during repair, these parts may be retained

When the I/(1) indicator flashes

Immediately unplug the power cord and check the following items.

- If your unit have a voltage selector, is the voltage selector set to the correct voltage?
 - Check the voltage for your region, then make sure the voltage selector is set correctly.
- (MHC-GTX787/LBT-ZTX7 only)
 Are the + and speaker cords short-circuited?
- Are you using the supplied speakers?
- Is anything blocking the ventilation holes on the rear of the unit?

After checking the above items and fixing any problems, plug in the power cord again and turn on the system. If the I/O indicator still flashes, or if the cause of the problem cannot be found even after checking all the above items, consult your nearest Sony dealer

General

The display starts flashing as soon as you plug in the power cord even though you have not turned on the system.

• The demonstration mode started. Press

✓ (page 14).

The clock or timer setting is canceled.

 The power cord is disconnected or a power failure occurred. Redo "Setting the clock" (page 19). If you have set the timer, redo "Using the timer" (page 39).

"--:--" appears in the display.

- The clock is not set. Set the clock (page 19).
- A power failure has occurred. Set the clock (page 19) and timer settings (page 39) again.

There is no sound.

- Turn MASTER VOLUME clockwise (or press VOLUME + repeatedly on the remote).
- The headphones are connected to the PHONES jack.
- Check the speaker connections (page 13).
- There is no audio output during Recording Timer.

There is no microphone sound.

- Turn MASTER VOLUME clockwise (or press VOLUME + repeatedly on the remote) or turn MIC LEVEL clockwise to adjust the microphone volume.
- Make sure the microphone is connected to the MIC jack correctly.

There is severe hum or noise.

- A TV or VCR is placed too close to the unit. Move the unit away from the TV or VCR.
- Move the unit away from the source of noise.
- Connect the unit to a different wall outlet.
- Install a noise filter (commercially available) to the power cord.
- Turn off surrounding electrical equipment.

The timer does not function.

- Check the timer setting and set the correct time (page 39).
- Cancel the Sleep Timer function (page 39).
- You cannot select the Play Timer and the Recording Timer at the same time.

The remote does not function.

- Remove the obstacles between the remote and the unit.
- · Move the remote closer to the unit.
- Point the remote at the unit's sensor.
- Replace the batteries (R6/size AA).
- Move the unit away from the fluorescent light.

There is acoustic feedback.

- · Reduce the volume.
- Move the microphone away from the speakers or change the direction of the microphone.

The sound from the music source has echo effects.

 Press FLANGER, DELAY or CHORUS repeatedly until "FLANGER", "DELAY" and "CHORUS" disappear from the display.

The meter pointer does not move.

- Check that "METER POINTER" is not set to "OFF" in OPTIONS menu (page 31).
- Check that METER MODE is not set to "METER OFF".
- The headphones are connected to the PHONES jack.

The meter display is turned off.

- Check that "METER POINTER" and "METER BACKLIGHT" are not set to "OFF" in OPTIONS menu (page 31).
- Check that METER MODE is not set to "METER OFF".

The meter display is flashing.

- Check that "METER POINTER" and "METER BACKLIGHT" are not set to "FLASH" in OPTIONS menu (page 31).
- Check that METER MODE is not set to "EXCITE 1" or "EXCITE 2".

Speakers

Sound comes from one channel or unbalanced left and right volume.

- Place the speakers as symmetrically as possible.
- Check that the speaker are connected securely and correctly.
- The source being played back is monaural

(MHC-GTX888 only) There is no sound from the subwoofers.

- Adjust the subwoofer level to the appropriate level.
- Check that the subwoofers are connected securely and correctly.
- Check that both subwoofer A and subwoofer B are connected to the unit.

(MHC-GTX888/MHC-GTX777 only) There is no sound from the surround speaker.

 Check that the surround speakers are connected securely and correctly.

(MHC-GTX787/LBT-ZTX7 only) Sound lacks bass.

• Check that the speaker's + and – terminals are connected correctly.

Disc player

The disc tray does not open and "LOCKED" appears in the display.

 Consult your nearest Sony dealer or local authorized Sony service facility.

The disc tray does not close.

- · Load the disc correctly.

The disc does not eject.

- You cannot eject the disc during CD-USB Synchronized Transfer, CD-TAPE Synchro Recording, or REC1 Transferring. Press ■ to cancel the transferring, then press OPEN/ CLOSE ♠ to eject the disc.
- Consult your nearest Sony dealer.

Playback does not start.

- Open the disc tray and check whether a disc is loaded.
- Wipe the disc clean (page 50).
- · Reload the disc.
- Load the disc that this system can play back (page 50).
- Load the disc on the disc tray with the label side facing up.
- Remove the disc and wipe away the moisture on the disc, then leave the system turned on for a few hours until the moisture evaporates.
- Press ► II (or ► on the remote) to start playback.

The sound skips.

- Wipe the disc clean (page 50).
- Reload the disc.
- Move the unit to a place without vibration (e.g., on top of a stable stand).
- Move the speakers away from the unit, or place them on separate stands. When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.

Playback does not start from the first track.

 The system is in Program Play or Shuffle Play mode. Press PLAY MODE on the remote repeatedly until "ALL DISCS", "1 DISC" or "
"
lights up in the display.

The MP3 file cannot be played back.

- The MP3 file is not recorded in a format that conforms to ISO9660 Level 1/ Level 2, or Joliet (expansion format).
- The MP3 file does not have the extension ".mp3".
- The MP3 file in format other than MPEG 1 Audio Layer 3 cannot be played back.
- The system can play back to a depth of 8 folders only.
- The disc contains more than 256 folders.
- The disc contains more than 511 MP3 files.
- MP3 files in MP3 PRO format cannot be played back.

The MP3 files take a longer time to play back than others.

- After the system reads all the files on the disc, playback may take more time than usual if:
 - the number of folders or files on the disc is very large.
 - the folder and file organization structure is very complex.

The folder name, track name, file name and ID3 tag characters do not appear properly.

- Use a disc that conforms to ISO9660 Level 1/Level 2, or Joliet (expansion format).
- The ID3 tag is not version 1 or version 2.
- The character code that can be displayed by this system are as follows:
 - Upper cases (A to Z)
 - Lower cases (a to z)
 - Numbers (0 to 9)
 - Symbols (<> * +, ? / [] \ _)

Other characters may not be displayed correctly.

USB device

You cannot start transferring to an USB device.

- The following problems may have occurred
 - The USB device is full.
 - The number of audio file and folder that system can recognize has reached the upper limit.
 - The USB device is write-protected.

Transferring is stopped before it is finished.

- You are using an unsupported USB devices. See "Compatible USB devices with this system" (page 56) for the supported device types.
- The USB device is not formatted correctly. Refer to the USB device operating instructions for how to format.
- Turn off the system and remove the USB device. Then, turn on the system.
 If the USB device has a power switch, turn the USB device off and then on again after removing it from the system.
 Then perform transferring again.
- If the transferring and erase operations are repeated multiple times, the file structure within the USB device becomes complex. Refer to operating instructions of the USB device on how to remedy this problem.

Transferring to an USB device results in an error.

- You are using an unsupported USB device. See "Compatible USB devices with this system" (page 56) for the supported device types.
- The USB device was disconnected or the power was turned off during transferring. Delete the partiallytransferred file, and transfer again. If this does not fix the problem, the USB device may be broken. Refer to operating instructions of the USB device on how to remedy this problem.
- Turn off the system and remove the USB device. If the USB device has a power switch, turn the USB device off and then on again after removing it from the system. Then perform transferring again.

Audio files or folders on the USB device cannot be erased.

- Check if the USB device is writeprotected.
- The USB device was disconnected or the power was turned off during the erase operation. Delete the partiallyerased track. If this does not fix the problem, the USB device may be broken. Refer to operating instructions of the USB device on how to remedy this problem.

Are you using a supported USB device?

- If you connect an unsupported USB device, the following problems may occur. See "Compatible USB devices with this system" (page 56) for the supported device types.
 - The USB device is not recognized.
 - File or folder names are not displayed on this system.
 - Playback is not possible.
 - The sound skips.
 - There is noise.
 - A distorted sound is output.
 - Transferring stops before it is finished.

"Over Current" appears in the display.

• A problem has been detected with the level of electrical current from the (USB) port. Turn off the system and remove the USB device from the (USB) port. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

There is no sound.

 The USB device is not connected correctly. Turn off the system, then connect the USB device again and check if "USB MEMORY" lights up in the display.

There is noise, skipping, or distorted sound.

- Turn off the system, then connect the USB device again.
- The music data itself contains noise, or the sound is distorted. Noise may have entered during the transferring process.
 Delete the file, and try transferring again.

The USB device cannot be connected into the •< (USB) port.

 The USB device is being connected backwards. Connect the USB device in the correct orientation

"USB Reading" is displayed for an extended time, or it takes a long time before playback starts.

- The reading process can take a long time in the following cases.
 - There are many folders or files on the USB device.
 - The file structure is extremely complex.
 - The memory capacity is excessive.
 - The internal memory is fragmented. Thus, we recommend following these guidelines.
 - Total folders on USB device: 100 or less
- Total files per folder: 100 or less

Erroneous display.

- The data stored in the USB device may have been corrupted, perform the transferring again.
- The character code that can be displayed by this system are as follows:
 - Upper cases (A to Z)
 - -Lower cases (a to z)
 - Numbers (0 to 9)
 - Symbols (<> * +, ? / [] \ _)
 Other characters may not be displayed correctly.

The USB device is not recognized.

- Turn off the system, then reconnect the USB device.
- Connect the supported USB device (page 56).

The USB device does not work properly. Refer to the USB device operating instructions for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

Playback does not start.

- Turn off the system, then connect the USB device again.
- Connect the supported USB device (page 56).
- Press ► II (or ► on the remote) to start playback.

Playback does not start from the first track.

• Set the play mode to Normal Play (page 28).

The audio files cannot be played back.

- MP3 files in MP3 PRO format cannot be played back.
- Some AAC files may not be played back correctly.
- WMA files in Windows Media Audio Lossless and Professional format cannot be played back.
- The data is not stored in MP3/WMA/ AAC format
- USB device formatted with file systems other than FAT16, or FAT32 (cluster size 512 byte – 32 kbyte) are unsupported.*
- If you use partitioned USB device, only audio files on the first partition can be played back.
- Playback is possible up to 8 folder levels
- The number of folders has exceeded 997
- The number of audio files has exceeded 999
- Files that are encrypted or protected by passwords, etc. cannot be played back.

* This system supports FAT16 and FAT32, but some USB device may not support all of these FAT. For details, see the operating instructions of each USB device or contact the manufacturer.

Tuner

There is severe hum or noise. ("TUNED" or "ST" flashes in the display)

- Set the proper band and frequency (page 22).
- Connect the antenna properly (page 12).
- Find a place and an orientation that provide good reception, then set up the antenna again. If you cannot obtain good reception, we recommend that you connect a commercially available external antenna.
- The supplied FM lead antenna receives signals along its entire length, so make sure you extend it fully.
- Locate the antennas as far away from the speaker cords as possible.
- Try turning off the surrounding electrical equipment.

A stereo FM program cannot be received in stereo.

 Press FM MODE on the remote repeatedly until "MONO" disappears from the display.

Tape deck

The tape does not record or playback, or there is a decrease in sound level.

- The tape heads are dirty (see "Cleaning the tape heads" on page 51).
- The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 51).

The tape does not erase completely.

• The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 51).

There is excessive wow or flutter, or the sound drops out.

 The capstans or pinch rollers are dirty (see "Cleaning the tape heads" on page 51).

Noise increases or the high frequencies are erased.

 The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 51).

The tape does not record.

- No tape is loaded. Load a tape.
- The tab has been removed from the tape. Cover the broken tab with adhesive tape (page 51).
- The tape has reeled to the end.

The system cannot play back the reverse side of the tape in tape deck.

 The system only can play back front side of the tape in tape deck. This is not a malfunction.

The system cannot record the reverse side of the tape in tape deck.

 The system only can record front side of the tape in tape deck. This is not a malfunction.

The recorded sound has echo effect.

• Before you start recording, press FLANGER, DELAY or CHORUS repeatedly until "FLANGER", "DELAY" and "CHORUS" disappear from the display.

Optional components

There is no sound.

- Refer to General item "There is no sound." (page 42) and check the condition of the system.
- Connect the component properly (page 12) while checking:
 - if the cords are connected properly.
- if the cord plugs are firmly inserted all the way.
- Turn on the connected component.
- Refer to the operating instructions supplied with the connected component and start playing.

To reset the system to factory settings

If the system still does not operate properly after performing the above measures or other troubles not described above occur, reset the system as follows: Use the buttons on the unit for the operation.

- **1** Unplug the power cord.
- 2 Plug the power cord back in.
- **3** Press **I**/ $^{\circlearrowleft}$ to turn on the system.
- 4 Press ■, DELAY and I/ d at the same time.

"COLD RESET" appears in the display.

The system is reset to the factory settings. You need to readjust all the settings you made, such as the preset stations, clock and timer

Messages

One of the following messages may appear or flash in the display during operation.

Disc/ Tape/ Timer

No Disc

There is no disc on the disc tray or you have loaded a disc that cannot be played back on this system.

No Tab

You cannot record onto the tape because the tab has been removed from the tape.

No Tape

There is no tape in the tape deck.

Not in Use

You have pressed a button those operation is not allowed or invalid at that time.

OFF TIME NG!

The on time and off time of Play Timer or Recording Timer is the same.

PUSH SELECT!

You tried to set the clock or timer during timer operation.

Push STOP!

You have pressed PLAY MODE on the remote during playback.

Reading

The system is reading information of the disc. Some buttons are not available.

NO STEP

You have cleared all the steps you programmed.

OVER

You have reached the end of the disc while pressing ►► during playback or pause.

Step Full!

You tried to program more than 25 steps.

SET CLOCK!

You pressed CLOCK/TIMER SELECT on the remote before the clock is set.

SET TIMER!

You pressed CLOCK/TIMER SELECT on the remote before Play Timer or Recording Timer is set.

USB device

USB Reading

The system is reading information of the USB device. Some buttons are not available

Data Error

You tried to play back a audio file that is not playable (page 46).

Device Error

The USB device could not be recognized or an unknown device is connected.

Fatal Error!

The USB device was removed during transferring or erase operation, and may have been damaged.

NO STEP

All of the programmed files have been erased.

Not Supported

An unsupported USB device is connected or the USB device is connected through an USB hub.

No Track

No playable audio file is loaded in the system.

Not in Use

You tried to perform a specific operation under conditions where that operation is prohibited.

Over Current

An over current was detected.

Protected!

The USB device is write-protected.

Push STOP!

You tried to perform an operation that can be performed only when the playback is stopped.

REC Error!

Transferring did not start, stopped partway, or otherwise could not be performed (page 44).

Removed

The USB device has been removed.

Step Full!

You tried to program more than 25 tracks or files (steps).

Track Full!

You cannot transfer onto the USB device because the number of file has reached its maximum

Folder Full!

You cannot transfer onto the USB device because the number of folder has reached its maximum.

Device Full!

The memory of the USB device is full.

Precautions

Discs that this system CAN play

- AUDIO CD
- · CD-R/CD-RW (audio data/MP3 files)

Discs that this system CANNOT play

- CD-ROM
- CD-R/CD-RW other than those recorded in music CD format or MP3 format conforming to ISO9660 Level 1/Level 2, Joliet
- CD-R/CD-RW recorded in multisession that have not ended by "closing the session"
- CD-R/CD-RW of poor recording quality, CD-R/CD-RW that have scratches or are dirty, or CD-R/CD-RW recorded with an incompatible recording device
- CD-R/CD-RW which is finalized incorrectly
- Disc containing files other than MPEG 1 Audio Layer-3 (MP3) files
- Discs of non-standard shape (for example, heart, square, star)
- Discs that have adhesive tape, paper, or sticker attached to them
- Rental or used discs with attached seals where the glue extends beyond the seal
- Discs that have labels printed using ink that feels tacky when touched

Notes on discs

- Before playing, wipe the disc with a cleaning cloth from the center out to the edge.
- Do not clean discs with solvents, such as benzine, thinner, or commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall socket, even if the unit itself has been turned off.
- Completely disconnect the power cord (mains lead) from the wall socket (mains) if it is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.
- Should any solid object or liquid get into the system, unplug the system, and have it checked by qualified personnel before operating it again.
- The AC power cord can be changed only by a qualified service facility.

On placement

- Do not place the system in an inclined position or in locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
- Be careful when placing the unit or speakers on surfaces that have been specially treated (for example, with wax, oil, polish) as staining or discoloration of the surface may result.
- If the system is brought directly from a cold to a warm location or is placed in a very damp room, moisture may condense on the lens inside the unit, and cause the system to malfunction. In this situation, remove the disc, and leave the system turned on for about an hour until the moisture evaporates.

On heat buildup

- Heat buildup on the unit during operation is normal and is not a cause for alarm
- Do not touch the cabinet if it has been used continuously at a high volume because the cabinet may have become hot.
- Do not obstruct the ventilation holes.

On the speaker system

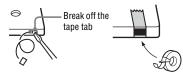
This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the speakers far away from the TV.

Cleaning the cabinet

Clean this system with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as thinner, benzine, or alcohol.

To prevent a tape from being accidentally recorded over

Break off the tape's overwrite protection tab from side A or B as illustrated



To later reuse the tape for recording, cover the broken tab with adhesive tape.

About a tape longer than 90 minutes

The use of the tape with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

Cleaning the tape heads

Use a dry-type or wet-type cleaning tape (available separately) after every 10 hours of use, before you start an important recording, or after playing an old tape. Failure to clean the tape heads can cause degraded sound quality or an inability of the system to record or play tapes. For details, refer to the instructions of the cleaning tape.

Demagnetizing the tape heads

Use a demagnetizing tape (available separately) after every 20 to 30 hours of use. Failure to demagnetize the tape heads can cause an increase in noise and a loss of high frequency sound and an inability to completely erase tapes. For details, refer to the instructions of the demagnetizing tape.

Specifications

AUDIO POWER SPECIFICATION

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

LBT-ZTX7 USA model only

With 4-ohm loads, both channels driven, from 120~Hz-10~kHz; rates 240 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 miliwatts to rated output.

Amplifier section

MHC-GTX888 (HCD-GTX888)

Brazil model only

The following are measured at AC 127 V or 220 V, 50/60 Hz

Front/Surround speaker

RMS output power:

255 W + 255 W (at 8 Ω and 24 Ω , 1 kHz, 10% THD, at LINK MODE)

Subwoofer

RMS output power:

130 W + 130 W (at 6 Ω , 100 Hz, 10% THD)

Other models

The following are measured at Mexican model:

AC 127 V. 60 Hz

Other models:

AC 120, 220, 230 - 240 V, 50/60 Hz

Front/Surround speaker

Power Output (rated):

190 W + 190 W (at 8 Ω and 24 Ω , 1 kHz, 1% THD, at LINK MODE)

RMS output power (reference):

295 W + 295 W (per channel at 8 Ω and 24 Ω , 1 kHz, 10% THD, at LINK MODE)

Subwoofer

RMS output power (reference):

160 W + 160 W (per channel at 6Ω , 100 Hz, 10% THD)

MHC-GTX787 (HCD-GTX787)

Brazil model only

The following are measured at AC 127 V or 220 V, 50/60 Hz

Front speaker

RMS output power:

300 W + 300 W (at 4 Ω , 1 kHz, 10% THD)

Other models

The following are measured at

Mexican model:

AC 127 V, 60 Hz

Other models:

AC 120, 220, 230 - 240 V, 50/60 Hz

Front speaker

Power Output (rated):

230 W + 230 W (at 4 Ω , 1 kHz, 1% THD)

RMS output power (reference):

380 W + 380 W (per channel at 4 Ω , 1 kHz, 10% THD)

MHC-GTX777 (HCD-GTX777)

European model only

The following are measured at AC 230 V, 50/60 Hz

Front/Surround speaker

Power Output (rated):

235 W + 235 W (at 8 Ω and 8 Ω , 1 kHz, 1% THD, at LINK MODE)

RMS output power (reference):

380 W + 380 W (per channel at 8 Ω and 8 Ω , 1 kHz, 10% THD, at LINK MODE)

Other models

The following are measured at

AC 120, 220, 230 - 240 V, 50/60 Hz

Front/Surround speaker

Power Output (rated):

235 W + 235 W (at 8 Ω and 8 Ω , 1 kHz, 1% THD, at LINK MODE)

RMS output power (reference):

 $380\,W + 380\,W$ (per channel at $8\,\Omega$ and $8\,\Omega$, 1 kHz, 10% THD, at LINK MODE)

LBT-ZTX7 (HCD-ZTX7)

The following are measured at AC 120 V, 60 Hz

Front speaker

RMS output power (reference):

380 W + 380 W (per channel at 4 Ω , 1 kHz, 10% THD)

Inputs

VIDEO (AUDIO IN) L/R:

Voltage 250 mV, impedance 47 kilohms

AUDIO INPUT L/R:

Voltage 450 mV, impedance 47 kilohms

MIC:

Sensitivity 1 mV, impedance 10 kilohms

(USB) port: Type A

Outputs

PHONES:

accepts headphones of 8 Ω or more

Disc player section

System

Compact disc and digital audio system

Laser

Semiconductor laser

 $(\lambda = 770 - 810 \text{ nm})$

Emission duration: continuous

Laser Output

Max. 44.6 μW*

* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Frequency response

20 Hz - 20 kHz

Wave length

770 - 810 nm

Signal-to-noise ratio

More than 90 dB

Dynamic range

More than 88 dB

Tape deck section

Recording system

4-track 2-channel stereo

Frequency response

50 – 13,000 Hz (±3 dB),

using Sony TYPE I tape

Wow and flutter

±0.35% W.Peak (IEC)

0.3% W.RMS (NAB)

±0.4% W.Peak (DIN)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

North American and Brazilian models: 87.5 – 108.0 MHz (100 kHz step)

Other models:

87.5 - 108.0 MHz (50 kHz step)

Antenna

FM lead antenna

Antenna terminals

75 ohms unbalanced

Intermediate frequency

10.7 MHz

AM tuner section

Tuning range

Pan-American and Oceanian models:

530 - 1,710 kHz (with the interval set

531 – 1,710 kHz (with the interval set at 9 kHz)

European model:

531 – 1,602 kHz (with the interval set at 9 kHz)

Other models:

531 – 1,602 kHz (with the interval set

at 9 kHz)

530 – 1,610 kHz (with the interval set at 10 kHz)

Antenna

AM loop antenna

Antenna terminals

External antenna terminal

Intermediate frequency

450 kHz

USB section

Supported bit rate

MP3 (MPEG 1 Audio Layer 3):

32 - 320 kbps, VBR

WMA: 32 – 192 kbps, VBR

AAC: 48 - 320 kbps

Sampling frequencies

MP3 (MPEG 1 Audio Layer 3):

32/44.1/48 kHz

WMA: 44.1 kHz

AAC: 44.1 kHz

Transfer speed

Full-Speed

Supported USB device

Mass Storage Class

Maximum current

500 mA

Continued 📥

Speakers

For MHC-GTX888

Front speaker (SS-GTX888)

Speaker system

2-way, 2-driver, Bass reflex

Speaker unit

Woofer: 200 mm (8 inches), cone type Tweeter: 25 mm (1 inch), horn type

Rated impedance

8 ohms

Dimensions (w/h/d)

Approx. $280 \times 400 \times 315 \text{ mm}$ $(11^{-1}/_{8} \times 15^{-3}/_{4} \times 12^{-1}/_{2} \text{ inches})$

Mass

Approx. 6.6 kg (14 lb 9 oz) net per speaker

Surround speaker (SS-RSX888)

Speaker system

2-way, 2-driver, Bass reflex

Speaker unit

Woofer: 100 mm (4 inches), cone type Tweeter: 40 mm (1 $^{1}/_{2}$ inches),

horn type

Rated impedance

24 ohms

Dimensions (w/h/d)

Approx. $180 \times 400 \times 235$ mm $(7^{1}/_{8} \times 15^{3}/_{4} \times 9^{3}/_{8} \text{ inches})$

Mass

Approx. 3.0 kg (6 lb 10 oz) net per speaker

Subwoofer A (SS-WG888A)/ Subwoofer B (SS-WG888B)

Subwoofer system

1-way, 1-driver, Bass reflex

Speaker unit

Subwoofer: 250 mm (10 inches),

cone type

Rated impedance

6 ohms

Dimensions (w/h/d)

Approx. $400 \times 370 \times 370 \text{ mm}$ (15 $^{3}/_{4} \times 14 ^{5}/_{8} \times 14 ^{5}/_{8} \text{ inches}$)

Mass

Approx. 8.3 kg (18 lb 5 oz)

For MHC-GTX787/LBT-ZTX7 Front speaker (SS-GTX787/SS-ZTX7)

Speaker system

2-way, 3-driver, Bass reflex

Speaker unit

Woofer: 200 mm (8 inches), cone type

× 2

Tweeter: 25 mm (1 inch), horn type

Rated impedance

4 ohms

Dimensions (w/h/d)

Approx. $300 \times 600 \times 340 \text{ mm}$ $(11^{7}/_{8} \times 23^{5}/_{8} \times 13^{1}/_{2} \text{ inches})$

Mass

Approx. 11.0 kg (24 lb 5 oz) net per speaker

For MHC-GTX777

Front speaker (SS-GTX777)

Speaker system

2-way, 2-driver, Bass reflex

Speaker unit

Woofer: 200 mm (8 inches), cone type Tweeter: 25 mm (1 inch), horn type

Rated impedance

8 ohms

Dimensions (w/h/d)

Approx. $280 \times 400 \times 315 \text{ mm}$ $(11^{-1}/_{8} \times 15^{-3}/_{4} \times 12^{-1}/_{2} \text{ inches})$

Mass

Approx. 6.6 kg (14 lb 9 oz) net per speaker

Surround speaker (SS-RSX777)

Speaker system

2-way, 2-driver, Bass reflex

Speaker unit

Woofer: 200 mm (8 inches), cone type Tweeter: 25 mm (1 inch), horn type

Rated impedance

8 ohms

Dimensions (w/h/d)

Approx. $280 \times 400 \times 315$ mm $(11^{1}/_{8} \times 15^{3}/_{4} \times 12^{1}/_{2}$ inches)

Mass

Approx. 6.6 kg (14 lb 9 oz) net per speaker

General

Power requirements

North American model: 120 V AC,

60 Hz

European model: 230 V AC, 50/60 Hz Mexican model: 127 V AC, 60 Hz Brazil model: 127 V or 220 V AC, 50/60 Hz, adjustable with voltage

selector

Oceanian model: 230 - 240 V AC,

50/60 Hz

Argentina models: 220 V AC,

50/60 Hz

Other models: 120 V, 220 V or 230 – 240 V AC, 50/60 Hz, adjustable

with voltage selector

Power consumption

MHC-GTX888: 430 W

MHC-GTX787/MHC-GTX777/

LBT-ZTX7: 300 W

Dimensions (w/h/d) (Approx.)

HCD-GTX888/HCD-GTX787/

HCD-GTX777/HCD-ZTX7:

 $281\times365\times454~mm$

 $(11^{1}/_{8} \times 14^{3}/_{8} \times 17^{7}/_{8} \text{ inches})$

Mass (Approx.)

HCD-GTX888: 14.0 kg (30 lb 14 oz) HCD-GTX787/HCD-GTX777/

HCD-ZTX7: 12.0 kg (26 lb 8 oz)

Supplied accessories

Remote Commander (1)

R6 (size AA) batteries (2)

AM loop antenna (1)

FM lead antenna (1)

Front speaker pads (8)

Surround speaker pads

(MHC-GTX888/MHC-GTX777

only) (8)

Subwoofer pads (MHC-GTX888 only)

(Black) (8) Speaker cords (MHC-GTX787/

LBT-ZTX7 only) (2)

Spacer A (MHC-GTX888 only) (2) Spacer B (MHC-GTX888 only) (2)

Spacer C (MHC-GTX777 only) (2)

Design and specifications are subject to change without notice.



- Standby power consumption: 0.5 W
- Halogenated flame retardants are not used in the certain printed wiring boards.

Compatible USB devices with this system

You can use the following Sony USB devices on this system.

Verified Sony USB device (as of March 2008)

1	
Product name	Model name
Walkman®	NWD-B103/ B103F/
	B105/B105F
	NWZ-A815/ A816/ A818
	NWZ-S515/ S516/
	S615F/ S616F/ S618F
IC Recorder	ICD-SX57/ SX67/ SX77
	ICD-U50/ U60/ U70
	ICD-SX68/ SX78/ SX88
MICROVAULT	USM512JX/ 1GJX/
	2GJX/4GJX

Verified Sony Ericsson mobile phone (as of March 2008)

Product name	Model name
Walkman® Phone	W880i/ W850i/ W710i/
	W660i/ W580i
	W910i

Check the websites below for the latest information about compatible devices. For customers in the U.S.A.:

http://www.sony.com/shelfsupport
For customers in Canada:
English http://www.sony.ca/
ElectronicsSupport/>
French http://fr.sony.ca/
ElectronicsSupport/>
For customers in Europe:

http://sonydigital-link.com/dna

For customers in Latin America: http://www.sony-latin.com/pa/info For customers in Asia and Oceania: http://www.css.ap.sony.com/>

Notes

- Do not use USB devices other than these USB devices. Operation of models not listed here is not guaranteed.
- Operation may not always be ensured even when using these USB devices.
- Some of these USB devices may not be available for purchase in certain areas.
- See the operating instructions supplied with the USB device for details on the operation method.
- If you want to format the above USB devices, be sure to use the models or formatter software supplied with the USB device. However, if the formatting process is performed using other method, the transferring may not be properly done.

Notes on using the Sony Ericsson mobile phone

- Set the data transfer mode of your mobile phone to File Transfer (Mass Storage).
 For details, refer to the operating instructions supplied with the mobile phone.
- Use the USB cable supplied with the mobile phone when connecting to the system.
- Some AAC audio files supported by the mobile phone are not supported by this system.
- In the case that the song which is registered as the playlist in the mobile phone is erased by this system, the playlist registration is not deleted.

Notes on Walkman®

- Some audio files supported by the Sony digital music player are not supported by this system.
- When the Sony digital music player is connected to this system, wait until the display of "Creating Library" or "Creating Database" disappears.
- When transferring music data from the Sony digital music player by using "Media Manager for WALKMAN", transfer in MP3 format
- MP4 format file (AAC or VIDEO) cannot be displayed by this system.

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